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Thailand

Sanitary/Phytosanitary/Food Safety Amendments on Food Pathogen Standards 2009

Approved by:

Mr. Gary W. Meyer, Agricultural Counselor U.S. Embassy

Prepared by:

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Report Highlights:

On March 19, the Ministry of Public Health published its Notification regarding Food Standards as Regards to Pathogens in the Royal Gazette. This notification will become effective September 15, 2009. Importers of products listed in this notification need to present a lab analysis report during the food product registration process to ensure products are pathogen free or do not exceed maximum specified limits stated in this notification.

Includes PSD Changes: No Includes Trade Matrix: No Annual Report Bangkok [TH1] [TH]

Amendments on Food Pathogens Standards

On March 19, the Ministry of Public Health published its Notification regarding Food Standards as Regards to Pathogens in the Royal Gazette. This notification will become effective September 15, 2009. Importers of products listed in this notification need to present a lab analysis report during the food product registration process to ensure products imported are pathogen free or do not exceed maximum specified limits stated in this notification. The Thai FDA is accepting a lab analysis report issued by government laboratory from the country of origin, government laboratories in Thailand, private laboratories accredited by Thai government or laboratories accredited by international accreditation agencies. The background of this notification can be found under Report TH8031: Additional Measure to Control Food Pathogens in Certain Foods and Beverages

(Draft)
Ministry of Public Health Notification
RE: Food Standards as Regards Pathogens

Whereas it is deemed appropriate to amend the stipulation on the food standards as regards pathogens

By the virtue of provisions of Sections 5 and 6 (2) (3) and (9) of the Food Act B.E. 2522 (1979), in which contain provisions in relation to the restriction of Rights and Liberties of the persons, in respect of which Section 29 and in comprise with Section 33, Section 41, Section 43, and Section 45 of the Constitution of the Kingdom of Thailand so permit by virtue of provisions of law; the Minister of Public Health with the guidance of Food Committee hereby issues a notification as follows:

Clause 1. Repeal the provisions on pathogens, which are prescribed in the notifications of Ministry of Public Health as listed in Attachment 1 of this notification and replace them with the following provision:

"Pathogen free except for certain pathogen as specified in Attachment 2 of the Ministry of Public Health Notification RE: Food Standards as Regards Pathogens dated February 10, 2009"

- Clause 2. Other foods not listed in Attachment 1, which are domestically produced or imported for sale, or intended for sale shall be free of pathogens except for certain pathogens as specified in Attachment 3 of this notification.
- Clause 3. The methods of analysis for concerned pathogens shall comply with the prescribed methods listed in Attachment 4 of this notification.
- Clause 4. Dietary supplements, food additives, and other food products, which already specified list and tolerance level of pathogens in other notifications of Ministry of Public Health shall be exempted from this notification.

Clause 5. This notification shall come into force 180 days from the day following date of its publication in the Government Gazette.

Notified on February 10th, 2009

Withaya Kaewparadai (Mr. Withaya Kaewparadai) Minister of Public Health

(Published in the Government Gazette Vol. 126, Special Part 41 Ngor, dated 19th March 2009.)

Attachment 1

Attachment to the Ministry of Public Health Notification (No. ...) B.E. ...RE: Food Standards as Regards Pathogens. The notifications of the Ministry of Public Health for those categories of Specific Controlled foods and prescribed foods required to have quality and standards

- 1. Clause 3 (3) (C) MOPH Notification No.61 / B.E. 2524(1981) Drinking Water in Sealed Container dated September 7, 1981
- 2. Clause 3 (3) (C) MOPH Notification No.78 / B.E. 2527(1984) Ice dated January 16, 1984
- 3. Clause 3 (2) MOPH Notification No.83 / B.E. 2527(1984) Chocolates dated November 15, 1984
- 4. Clause 3 (5) MOPH Notification No.121 / B.E. 2532(1989) Weight-Control Foods dated May 23, 1989
- 5. Clause 4 (2) MOPH Notification No.144 / B.E. 2535(1992) Food Packed in Sealed Container dated July 2, 1992
- 6. Clause 4 (4.10) MOPH Notification No.156 / B.E. 2537(1994) Modified Milk for Infant and Modified Milk of follow up Formula for Infant and Children dated October 14, 1994
- 7. Clause 4 (4.9) MOPH Notification No.157 / B.E. 2537(1994) Food for Infant and Food of follow up Formula for Infant and Small Children dated October 14, 1994
- 8. Clause 3 (3.10) MOPH Notification No.158 / B.E. 2537(1994) Supplementary Food for Infants and Yong Children dated October 14, 1994
- 9. Clause 4 (5) (C) MOPH Notification No.195 / B.E. 2543(2000) Electrolyte Drinks dated September, 2000
- 10. Clause 6 (6) MOPH Notification No.196 / B.E. 2543(2000) Tea dated September 19, 2000
- 11. Clause 10 (5) MOPH Notification No.197 / B.E. 2543(2000) Coffee dated September 19, 2000
- 12. Clause 5 (6) MOPH Notification No.198 / B.E. 2543(2000) Soybean Milk in Sealed Containers dated September 19, 2000
- 13. Clause 5 (4) (4.3) MOPH Notification No.199 / B.E. 2543(2000) Mineral Water dated September 19, 2000
- 14. Clause 4 (7) MOPH Notification No.201 / B.E. 2543(2000) Some Particular Kinds of Sauces dated September 19, 2000
- 15. Clause 4 (5) MOPH Notification No.202 / B.E. 2543(2000) Food Seasonings derived from the Hydrolysis or Fermentation of Soybean Protein dated September 19, 2000
- 16. Clause 4 (5) MOPH Notification No.206 / B.E. 2543(2000) Butter Oil dated September 19, 2000
- 17. Clause 4 (6) MOPH Notification No.207 / 2543(2000) Margarine dated September 19, 2000
- 18. Clause 5 (7), Clause 6 (8), Clause 7 (6), Clause 8 (7), Clause 9 (6) and Clause 10 (7) MOPH Notification No. 208 / B.E. 2543(2000) Cream dated September 19, 2000
- 19. Clause 5 (3) MOPH Notification No. 209 / B.E. 2543(2000) Cheese dated September 19, 2000
- 20. Clause 5 (4), Clause 6 (4), Clause 7 (4), Clause 8 (3), and Clause 9 (2) MOPH Notification No.210 / B.E. 2543(2000) Semi-processed Food dated September 19, 2000
- 21. Clause 4 (12) MOPH Notification No.211 / B.E. 2543(2000) Honey dated September 19, 2000

- 22. Clause 4 (4) MOPH Notification No.213 / B.E. 2543(2000) Jam, Jelly and Marmalade in Sealed Containers dated September 19, 2000
- 23. Clause 4 (6) MOPH Notification No.214 / B.E. 2543(2000) Beverage in Sealed Containers dated September 19, 2000
- 24. Clause 5 (4.6) MOPH Notification No. 222 / B.E. 2544 (2001) Ice Cream dated July 24, 2001
- 25. Clause 4 (3), 5 (4), and 6 (4) MOPH Notification No. 226 / B.E. 2544 (2001) Ghee dated July 23, 2001
- 26. Clause 4 (7) MOPH Notification No. 227 / B.E. 2544 (2001) Butter dated July 23, 2001
- 27. Clause 4 (1) MOPH Notification No. 236 / B.E. 2544 (2001) Alkaline-preserved Eggs dated August 20, 2001
- 28. Clause 2 (5) MOPH Notification No. 262 / B.E. 2545 (2002) Stevioside and Foods Containing Stevioside dated September 26, 2002
- 29. Clause 12 (10), 15 (9), and 16 (9) MOPH Notification No. 265 / B.E. 2545 (2002) Cow's Milk dated December 19, 2002
- 30. Clause 8 (10) and 9 (8) MOPH Notification No. 266 / B.E. 2545 (2002) Flavoured Milk dated December 19, 2002
- 31. Clause 7 (3) MOPH Notification No. 267 / B. E. 2545 (2002) Other Milk Products dated December 19, 2002
- 32. Clause 4 (2) MOPH Notification No. 280 / B.E. 2547 (2004) Herbal Tea dated June 4, 2004
- 33. Clause 7 (7) MOPH Notification No. 289 / B.E. 2548 (2005) Yogurt dated January 17, 2005

Attachment 2 Food Standards as Regards Pathogens

Attachment to the Ministry of Public Health Notification RE: Food Standards as Regards Pathogens.

Food Type	Pathogen Name	Tolerance Level
1. Modified Milk for Infant (Powder	1. Salmonella spp.	None in 25 gram
or Dry) MOPH Notification No.156 / B.E.		
2537(1994) RE: Modified Milk for	2. Staphylococcus aureus	None in 0.1 gram
Infant and Modified Milk of follow		
up Formula for Infant and Children		
dated October 14, 1994 2. Infant Food (Powder or Dry)	3. Bacillus cereus	Not more than 100 in 1 gram
MOPH Notification No. 157 / B.E.		
2537(1994) RE: Food for Infant and		27 1 10
Food of follow up Formula for	4. Enterobacter sakazakii	None in 10 gram
Infant and Small Children dated		
October 14, 1994		
3. Modified Milk of follow up	1. Salmonella spp.	None in 25 gram
Formula for Infant and Children		
(Powder or Dry) MOPH Notification No.156 / B.E.	2 Stanbulage save saves	None in 0.1 gram
2537(1994) RE: Modified Milk for	2. Staphylococcus aureus	None in 0.1 gram
Infant and Modified Milk of follow		
up Formula for Infant and Children	3. Bacillus cereus	Not more than 100 in 1 gram
dated October 14, 1994	3. Buenius cereus	Tot more than 100 m 1 gram
4. Food of follow up Formula for		
Infant and Small Children (Powder		
or Dry) MOPH Notification No. 157 / B.E.		
2537(1994) RE: Food for Infant and		
Food of follow up Formula for		
Infant and Small Children dated		
October 14, 1994		
5. Supplementary Food for Infants and Yong Children (Powder or Dry)	1. Salmonella spp.	None in 25 gram
MOPH Notification No.158 / B.E.	2. Staphylococcus aureus	None in 0.1 gram
2537(1994) RE: Supplementary Food for Infants and Yong Children	3. Bacillus cereus	Not more than 100 in 1 gram
dated October 14, 1994	4. Clostridium perfringens	Not more than 100 in 1 gram
6. Pasteurized Ready to Drink Milk		
including other pasteurized ready to		
drink milk from other animals	1 0 1 11	N : 25 1
(6.1)Cow Milk	1. Salmonella spp.	None in 25 ml.
MOPH Notification No. 265 / B.E. 2545 (2002) RE: Cow's Milk dated		
December 19, 2002		
(6.2) Flavoured Milk	2. Staphylococcus aureus	None in 0.1 ml
MOPH Notification No. 266 / B.E.		
2545 (2002) RE: Flavoured Milk		

A	2545 (2002) DE EL 134'II	2 D 31	N 4 1 100 1 1 1
(6.3) Other Milk Products MOPH Notification No. 267 / B.E. 2545 (2002) RE: Other Milk Products dated December 19, 2002 (6.4) Other Milks Products from other Animals other than Cows MOPH Notification No. 214 / B.E. 2543 (2000) RE: Beverages in Sealed Container dated September 19, 2000 7. Powder Milk MOPH Notification No. 265 / B.E. 2545 (2002) RE: Cow's Milk dated December 19, 2002 8. Flavoured Milk (Dry) MOPH Notification No. 266 / B.E. 2545 (2002) RE: Plavoured Milk dated December 19, 2002 9. Other Milk Products (Dry) MOPH Notification No. 276 / B.E. 2545 (2002) RE: Other Milk Products dated December 19, 2002 10. Cheese MOPH Notification No. 209 / B.E. 2543 (2000) RE: Cheese dated September 19, 2000 (10.1) With a _w 0.9 1. Salmonella spp. None in 25 gram Not more than 100 in 1 gram None in 0.1 gram S. Bacillus cereus Not more than 100 in 1 gram 1. Salmonella spp. None in 25 gram 1. Salmonella spp. None in 25 gram 1. Salmonella spp. None in 25 gram None in 0.1 gram S. Listeria monocytogenes None in 0.1 gram S. Bacillus cereus None in 0.1 gram None in 0.1 gram S. Bacillus cereus None in 0.1 gram	2545 (2002) RE: Flavoured Milk	3. Bacillus cereus	Not more than 100 in 1 ml.
MOPH Notification No. 267 / B.E. 2545 (2002) RE: Other Milks Products from other Animals other than Cows MOPH Notification No. 214 / B.E. 2543 (2000) RE: Deverages in Sealed Container dated September 19, 2000 S. Flavoured Milk (MOPH Notification No. 265 / B.E. 2545 (2002) RE: Cow's Milk dated December 19, 2002 S. Flavoured Milk (Dro.) 266 / B.E. 2545 (2002) RE: Flavoured Milk dated December 19, 2002 Other Milk Products (Dry.) MOPH Notification No. 267 / B.E. 2545 (2002) RE: Flavoured Milk dated December 19, 2002 Other Milk Products (Dry.) MOPH Notification No. 267 / B.E. 2545 (2002) RE: Flavoured Milk Roducts dated December 19, 2002 Other Milk Products (Dry.) MOPH Notification No. 267 / B.E. 2545 (2002) RE: Cheese dated September 19, 2000 Other Milk Products dated December 19, 2000 Other Milk Products (Dry.) MoPH Notification No. 209 / B.E. 2543 (2000) RE: Cheese dated September 19, 2000 Other Milk Products dated December 19, 2000 Other Milk Products (Dry.) MoPH Notification No. 209 / B.E. 2543 (2000) RE: Cheese dated September 19, 2000 Other Milk Products dated December 19, 2000 Other Milk Products (Dry.) MoPH Notification No. 209 / B.E. 2543 (2000) RE: Cheese dated September 19, 2000 Other Milk Products (Dry.) MoPH Notification No. 208 / B.E. 2543 (2000) RE: Cheese dated September 19, 2000 Other Milk Products (Dry.) MoPH Notification No. 208 / B.E. 2543 (2000) RE: Cream dated September 19, 2000 Other Milk Products (Dry.) MoPH Notification No. 208 / B.E. 2543 (2000) RE: Cream dated September 19, 2000 Other Milk Products (Dry.) MoPH Notification No. 208 / B.E. 2543 (2000) RE: Cream dated September 19, 2000 Other Milk Products (Dry.) MoPH Notification No. 208 / B.E. 2543 (2000) RE: Cream dated September 19, 2000 Other Milk Products (Dry.) MoPH Notification No. 208 / B.E. 2543 (2000) RE: Cream dated September 19, 2000 Other Milk Products (Dry.) MoPH Notification No. 208 / B.E. 2543 (2000) RE: Cream dated September 19, 2000 Other Milk Products (Dry.) MoPH Notification No. 20			
2-345 (2002) RE: Other Milk Products from other Animals other than Cows MOPH Notification No. 214 / B.E. 2543 (2000) RE: Beverages in Sealed Container dated September 19, 2000		4.7.	N : 25 1
1. Salmonella spp. None in 25 gram		4. Listeria monocytogenes	None in 25 ml.
other Animals other than Cows MOPH Notification No. 214 / B.E. 2543 (2000) RE: Beverages in Sealed Container dated September 19, 2002 None in 25 gram 7. Powder Milk MOPH Notification No. 265 / B.E. 2545 (2002) RE: Cow's Milk dated December 19, 2002 None in 0.1 gram NOPH Notification No. 266 / B.E. 2545 (2002) RE: Flavoured Milk dated December 19, 2002 Staphylococcus aureus None in 0.1 gram NOPH Notification No. 266 / B.E. 2545 (2002) RE: Flavoured Milk dated December 19, 2002 Staphylococcus aureus Not more than 100 in 1 gram NOPH Notification No. 267 / B.E. 2545 (2002) RE: Other Milk Products dated December 19, 2002 Staphylococcus aureus Not more than 100 in 1 gram 10. Cheese MOPH Notification No. 209 / B.E. 2543 (2000) RE: Cheese dated September 19, 2000 September 19, 2000 None in 0.1 gram (10.1) With a _w .0.9 1. Salmonella spp. None in 0.1 gram None in 0.1 gram 2. Staphylococcus aureus None in 0.1 gram None in 25 gram (10.2) With a _w between 0.82-0.9 1. Salmonella spp. None in 25 gram (10.3) With a _w .0.82 1. Salmonella spp. None in 0.1 gram 3. Bacillus cereus None in 0.1 gram None in 25 gram (10.3) With a _w .0.82 1. Salmonella spp. None in 25 gram (10.3) With a _w .0.82 2. Staphylococcus aureus None in 0.1 gram	Products dated December 19, 2002		
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2-543 (2000) RE: Green dated September 19, 2000			
Sealed Container dated September 19, 2000			
19, 2000			
1. Salmonella spp. None in 25 gram			
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December 19, 2002 8. Flavoured Milk (Dry) MOPH Notification No. 266 / B.E. 2545 (2002) RE: Flavoured Milk dated December 19, 2002 9. Other Milk Products (Dry) MOPH Notification No. 267 / B.E. 2545 (2002) RE: Other Milk Products dated December 19, 2002 10. Cheese MOPH Notification No. 209 / B.E. 2543 (2000) RE: Cheese dated September 19, 2000 1. Salmonella spp. None in 25 gram 2. Staphylococcus aureus Not more than 100 in 1 gram 3. Bacillus cereus Not more than 100 in 1 gram None in 25 gram None in 2	MOPH Notification No. 265 / B.E.		
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Not more than 100 in 1 gram		2. Staphylococcus aureus	None in 0.1 gram
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3. Bacillus cereus Not more than 100 in 1 gram 4. Clostridium perfringens Not more than 100 in 1 gram 5. Listeria monocytogenes None in 25 gram (10.2) With a _w between 0.82-0.9 1. Salmonella spp. None in 0.1 gram 2. Staphylococcus aureus None in 0.1 gram 3. Bacillus cereus Not more than 500 in 1 gram 4. Listeria monocytogenes None in 25 gram (10.3) With a _w . 0.82 1. Salmonella spp. None in 25 gram (10.3) With a _w . 0.82 2. Staphylococcus aureus None in 0.1 gram 3. Listeria monocytogenes None in 0.1 gram 11. Cream MOPH Notification No. 208 / B.E. 2543(2000) RE: Cream dated September 19, 2000 (11.1) Dry Cream 1. Salmonella spp. None in 25 gram 2. Staphylococcus aureus None in 0.1 gram 3. Bacillus cereus None in 0.1 gram 1. Salmonella spp. None in 0.1 gram 2. Staphylococcus aureus None in 0.1 gram 3. Bacillus cereus Not more than 100 in 1 gram (11.2) Pasteurized Cream 2. Staphylococcus aureus None in 0.1 gram 3. Bacillus cereus None in 0.1 gram		2. Staphylococcus aureus	None in 0.1 gram
4. Clostridium perfringens 5. Listeria monocytogenes None in 25 gram 1. Salmonella spp. None in 25 gram 2. Staphylococcus aureus None in 0.1 gram 3. Bacillus cereus None in 25 gram None in 0.1 gram 4. Listeria monocytogenes None in 25 gram (10.3) With a _w . 0.82 1. Salmonella spp. None in 25 gram (10.3) With a _w . 0.82 1. Salmonella spp. None in 25 gram 1. Cream None in 0.1 gram 3. Listeria monocytogenes None in 0.1 gram None in 0.1 gram 11. Cream MOPH Notification No. 208 / B.E. 2543(2000) RE: Cream dated September 19, 2000 (11.1) Dry Cream 1. Salmonella spp. None in 25 gram 2. Staphylococcus aureus None in 0.1 gram 3. Bacillus cereus None in 0.1 gram None in 0.1 gram 1. Salmonella spp. None in 25 gram None in 0.1 gram 3. Bacillus cereus None in 0.1 gram		3. Bacillus cereus	Not more than 100 in 1 gram
5. Listeria monocytogenes None in 25 gram		4. Clostridium perfringens	Not more than 100 in 1 gram
1. Salmonella spp. None in 25 gram		5. Listeria monocytogenes	None in 25 gram
2. Staphylococcus aureus None in 0.1 gram 3. Bacillus cereus Not more than 500 in 1 gram 4. Listeria monocytogenes None in 25 gram (10.3) With a _w . 0.82 1. Salmonella spp. None in 25 gram 2. Staphylococcus aureus None in 0.1 gram 3. Listeria monocytogenes None in 25 gram 11. Cream MOPH Notification No. 208 / B.E. 2543(2000) RE: Cream dated September 19, 2000 (11.1) Dry Cream 1. Salmonella spp. None in 25 gram 2. Staphylococcus aureus None in 0.1 gram 3. Bacillus cereus Not more than 100 in 1 gram (11.2) Pasteurized Cream 1. Salmonella spp. None in 25 gram 2. Staphylococcus aureus None in 0.1 gram 3. Bacillus cereus None in 0.1 gram	(10.2) With a _w between 0.82-0.9		None in 25 gram
3. Bacillus cereus Not more than 500 in 1 gram 4. Listeria monocytogenes None in 25 gram (10.3) With a _w . 0.82 1. Salmonella spp. None in 25 gram 2. Staphylococcus aureus None in 0.1 gram 3. Listeria monocytogenes None in 25 gram 11. Cream MOPH Notification No. 208 / B.E. 2543(2000) RE: Cream dated September 19, 2000 (11.1) Dry Cream 1. Salmonella spp. None in 25 gram 2. Staphylococcus aureus None in 0.1 gram 3. Bacillus cereus Not more than 100 in 1 gram (11.2) Pasteurized Cream 1. Salmonella spp. None in 25 gram 2. Staphylococcus aureus Not more than 100 in 1 gram 3. Bacillus cereus None in 0.1 gram 1. Salmonella spp. None in 0.1 gram 2. Staphylococcus aureus None in 0.1 gram 3. Bacillus cereus None in 0.1 gram None in 0.1 gram	(1012)		
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2. Staphylococcus aureus None in 0.1 gram 3. Listeria monocytogenes None in 25 gram 11. Cream MOPH Notification No. 208 / B.E. 2543(2000) RE: Cream dated September 19, 2000 (11.1) Dry Cream 1. Salmonella spp. None in 25 gram 2. Staphylococcus aureus None in 0.1 gram 3. Bacillus cereus None in 25 gram (11.2) Pasteurized Cream 1. Salmonella spp. None in 25 gram 2. Staphylococcus aureus None in 0.1 gram 3. Bacillus cereus None in 0.1 gram	(10.3) With a _w . 0.82	• •	
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2. Staphylococcus aureus None in 0.1 gram 3. Bacillus cereus Not more than 100 in 1 gram 1. Salmonella spp. None in 25 gram 2. Staphylococcus aureus None in 0.1 gram 3. Bacillus cereus Not more than 100 in 1 gram Not more than 100 in 1 gram			
3. Bacillus cereus Not more than 100 in 1 gram 1. Salmonella spp. None in 25 gram 2. Staphylococcus aureus None in 0.1 gram 3. Bacillus cereus Not more than 100 in 1 gram	. , ,		
(11.2) Pasteurized Cream 1. Salmonella spp. 2. Staphylococcus aureus None in 25 gram None in 0.1 gram Not more than 100 in 1 gram			<u> </u>
Staphylococcus aureus None in 0.1 gram Bacillus cereus Not more than 100 in 1 gram			
3. Bacillus cereus Not more than 100 in 1 gram			
			None in 0.1 gram
4. Listeria monocytogenes None in 25 gram		3. Bacillus cereus	Not more than 100 in 1 gram
		4. Listeria monocytogenes	None in 25 gram

10.1	T	
12. Ice Cream MOPH Notification No. 222 / B.E.		
2544 (2001) RE: Ice Cream dated		
July 24, 2001		
(12.1) Milk Ice Cream, Modified Ice	1. Salmonella spp.	None in 25 gram
Cream and Mixed Ice Cream	2. Staphylococcus aureus	None in 0.1 gram
	3. Bacillus cereus	Not more than 500 in 1 gram
	4. Listeria monocytogenes	None in 25 gram
(12.2) Milk Ice Cream, Modified Ice	1. Salmonella spp.	None in 25 gram
Cream, and Mixed Ice Cream	2. Staphylococcus aureus	None in 0.1 gram
(Liquid Form with Pasteurization and Powder or Dry Forms)	3. Bacillus cereus	Not more than 100 in 1 gram
, ,	4. Listeria monocytogenes	None in 25 gram
13. Pasteurized Ready to Drink		
Beverages pH . 4.3		
(13.1) Beverages (1) MOPH Notification No.214 / B.E.	1. Salmonella spp.	None in 25 ml.
2543 (2000) RE: Beverage in Sealed		
Containers dated September 19,		
2000	2. Staphylococcus aureus	None in 0.1 ml.
(13.2) Tea MOPH Notification No.196 / B.E.		
2543(2000) RE: Tea dated		
September 19, 2000		
(13.3) Coffee	3. Bacillus cereus	Not more than 100 in 1 ml.
MOPH Notification No.197 / B.E.		
2543(2000) RE: Coffee dated September 19, 2000 and MOPH		
Notification No. 276 / B.E. 2546	4. Clostridium perfringens	Not more than 100 in 1 ml.
(2003) RE: Coffee (No.2) dated	4. Closuldium periringens	For bird's nest beverage, not more
December 3, 2003		than 1,000 in 1 ml.
(13.4) Soymilk MOPH Notification No.198 / B.E.		
2543(2000) RE: Soybean Milk in	5. Listeria monocytogenes (2)	None in 25 ml.
Sealed Containers dated September		
19, 2000		
14. Concentrated or Dried Beverages	1. Salmonella spp.	None in 25 gram
MOPH Notification No. 214 / B.E.	1. Samonena spp.	None iii 23 graiii
2543 (2000) RE: Beverages in Sealed Container dated September 19, 2000	2. Staphylococcus aureus	None in 0.1 gram
	3. Bacillus cereus	Not more than 100 in 1 gram
	4. Clostridium perfringens ⁽³⁾	Not more than 100 in 1 gram
	5. Listeria monocytogenes (2)	None in 25 gram
15. Semi-Processed Foods		
MOPH Notification No.210 / B.E.		
2543(2000) RE: Semi-processed		
Food dated September 19, 2000	1 Colmonallo	None in 25 arem
(15.1) Paste of rice flour, noodle, glass noodle	1. Salmonella spp.	None in 25 gram
	2. Staphylococcus aureus	None in 0.1 gram

	3. Bacillus cereus	Not more than 100 in 1 gram
(15.2) Seasonings come with the noodle packages	1. Salmonella spp.	None in 25 gram
	2. Staphylococcus aureus	None in 0.1 gram
	3. Bacillus cereus	Not more than 1,000 in 1 gram
	4. Clostridium perfringens	Not more than 1,000 in 1 gram
(15.3) Pre-cooked rice porridge, gruel and instant soup (powder or	1. Salmonella spp.	None in 25 gram
dry)	2. Staphylococcus aureus	None in 0.1 gram
	3. Bacillus cereus	Not more than 200 in 1 gram
	4. Clostridium perfringens	Not more than 100 in 1 gram
(15.4) Concentrated Stock ⁽⁴⁾ , Stock Cubes	1. Salmonella spp.	None in 25 gram
Cubes	2. Staphylococcus aureus	None in 0.1 gram
	3. Bacillus cereus	Not more than 1,000 in 1 gram
	4. Clostridium perfringens	Not more than 100 in 1 gram
(15.5) Curry and curry paste ⁽⁴⁾	1. Salmonella spp.	None in 25 gram
	2. Staphylococcus aureus	None in 0.1 gram
	3. Bacillus cereus	Not more than 1,000 in 1 gram
	4. Clostridium perfringens	Not more than 1,000 in 1 gram
16. Some Particular Types of Sauces (4) MOPH Notification No.201 / B.E. 2543(2000) RE: Some Particular Kinds of Sauces dated September 19, 2000	1. Salmonella spp.	None in 25 gram
	2. Staphylococcus aureus	None in 0.1 gram.
	3. Bacillus cereus	Not more than 1,000 in 1 gram
17, 2000	4. Clostridium perfringens	Not more than 100 in 1 gram
17. Food Seasonings Derived from the Hydrolysis or Fermentation of	1. Salmonella spp.	None in 25 gram
Soybean Protein MOPH Notification No.202 / B.E. 2543(2000) RE: Food Seasonings derived from the Hydrolysis or Fermentation of Soybean Protein dated September 19, 2000 18. Alkaline-Preserved Egg MOPH Notification No. 236 / B.E. 2544 (2001) RE: Alkaline-preserved Eggs dated August 20, 2002	2. Staphylococcus aureus	None in 0.1 gram
	3. Bacillus cereus	Not more than 1,000 in 1 gram
	4. Clostridium perfringens	Not more than 1,000 in 1 gram
	1. Salmonella spp.	None in 25 gram
	2. Staphylococcus aureus	None in 0.1 gram
	3. Clostridium perfringens	Not more than 100 in 1 gram
19. Specific Controlled Foods and Prescribed Foods Required to Have	1. Salmonella spp.	None in 25 gram or ml. For water and ice, none in 100 ml.

(Quality or Standards in Attachment	2. Staphylococcus aureus	None in 0.1 gram or ml.
1	, which are not listed above		For water and ice, none in 100 ml.

Remark:

⁽¹⁾ Aloe vera beverages under item 13 (13.1), an analysis is required for Salmonella spp., Staphylococcus aureus and Bacillus cereus

⁽²⁾ All beverages contain milk under item 13 and concentrated beverages contain milk under item 14, an analysis of Listeria monocytogene is required ⁽³⁾For cereal drink under item 14, an analysis of Clostridium perfringens is required

⁽⁴⁾For products, which are not passed through the process according to 3(1) of the MOPH Notification No. 144 B.E. 2535 (1992) RE: Food Packed in Sealed Container dated July 2, 1992

Attachment 3 Food Standards as Regards Pathogens

Attachment to the Ministry of Public Health Notification RE: Food Standards as Regards Pathogens.

Food Type	Pathogen Name	Tolerance Level
1. Finished Gelatin and Jelly (liquid	1. Salmonella spp.	None in 25 gram
form)		
MOPH Notification No.100 / B.E.	2. Staphylococcus aureus	None in 0.1 gram
2529(1986) RE: Label of Finished	2 (1 + 11)	N
Gelatin and Jelly dated April 10,	3. Clostridium perfringens	Not more than 100 in 1 gram
1986		
2. Sauces in Sealed Containers (4)		
MOPH Notification No.200 / B.E.		
2543(2000) RE: Sauces in Sealed		
Containers dated September 19,		
2000		
(2.1) Other Types of Sauces	1. Salmonella spp.	None in 25 gram
	2. Staphylococcus aureus	None in 0.1 gram
	3. Bacillus cereus	Not more than 1,000 in 1 gram
	4. Clostridium perfringens	Not more than 1,000 in 1 gram
(2.2) Fermented Soybean (Tao	1. Salmonella spp.	None in 25 gram
Chiew)	2. Staphylococcus aureus	None in 0.1 gram
	3. Bacillus cereus	Not more than 2,500 in 1 gram
	4. Clostridium perfringens	Not more than 1,000 in 1 gram
(2.3) Various kinds of sauces	1. Salmonella spp.	None in 25 gram
	2. Staphylococcus aureus	None in 0.1 gram
	3. Bacillus cereus	Not more than 500 in 1 gram
	4. Clostridium perfringens	Not more than 1,000 in 1 gram
3. Bread	1. Salmonella spp.	None in 25 gram
MOPH Notification No. 224 / B.E.	2. Staphylococcus aureus	None in 0.1 gram
2544 (2001)RE: Bread dated July	3. Bacillus cereus	Not more than 100 in 1 gram
23, 2001	4. Clostridium perfringens	Not more than 100 in 1 gram
4. Flour of Husked Rice	1. Salmonella spp.	None in 25 gram
MOPH Notification No.44 /	2. Staphylococcus aureus	None in 0.1 gram
2523(1980) RE: Flour of Husked	3. Bacillus cereus	Not more than 1,000 in 1 gram
Rice dated January 12, 1980		, ,
5. Vitaminized Rice MOPH	1. Salmonella spp.	None in 25 gram
Notification No. 150 / B.E. 2536	2. Staphylococcus aureus	None in 0.1 gram
(1993) RE: Vitaminized Rice dated	3. Bacillus cereus	Not more than 100 in 1 gram
November 3, 1993		
6. Cookie, Biscuit, Cracker	1. Salmonella spp.	None in 25 gram
MOPH Notification No. 237 / B.E.	2. Staphylococcus aureus	None in 0.1 gram
2544 (2001) RE: Labeling of Ready-	3. Bacillus cereus	Not more than 1,000 in 1 gram
to-Cook Foods and Ready-to-Eat	4. Clostridium perfringens	Not more than 1,000 in 1 gram
Foods dated August 20, 2001		-

Remark:

⁽⁴⁾For products, which are not passed through the process according to 3(1) of the MOPH Notification No. 144 B.E. 2535 (1992) RE: Food Packed in Sealed Container dated July 2, 1992

Attachment 4

Methods of Analysis for Concerned Pathogens

Attachment to the Ministry of Public Health Notification RE: Food Standards as Regards Pathogens.

Methods of Analysis for Concerned Pathogens

Pathogen Name	Methods of Analysis
1. Bacillus cereus	Bacteriological Analytical Manual (BAM) Online. U.S. Food and Drug Administration, updated version or equivalent method
2. Clostridium perfringens	Bacteriological Analytical Manual (BAM) Online. U.S. Food and Drug Administration, updated version or equivalent method
3. Listeria monocytogenes	ISO 11290-1: Microbiology of food and animal feeding stuffs - Horizontal Method for the detection and enumeration of <i>Listeria monocytogenes</i> - Part 1, Detection method,
4. Salmonella spp.	updated version or equivalent method ISO 6579: Microbiology of food and animal feeding stuffs - Horizontal Method for Detection of <i>Salmonella spp.</i> , updated version or equivalent method.
5. Staphylococcus aureus	Only for water and ice: ISO 6340: Water Quality-Detection of Salmonella species, updated version or equivalent method. Bacteriological Analytical Manual (BAM) Online. U.S. Food and Drug Administration, updated version or equivalent method. Only for water and ice: Standard Methods for the
6. Enterobacter sakaakii	Examination of Water and Wastewater: American Public Health Association (APHA), updated version or equivalent method. ISO/TS 22964 Milk and Milk products – Detection of Enterobacter sakazakii, updated version or equivalent method.

End of the Report.